

From boatanchors@theporch.com Fri Nov 10 17:46:00 1995
From: "Ray L. Mote" <rmote@rain.org>
Subject: Article on restoring National PW dial
Message-ID: <Pine.SUN.3.91.951110074719.21507C-100000@coyote.rain.org>

Seems like I recall seeing a query from someone wanting to restore a National PW dial drive within the last month. If not already a subscriber/member of AWA, they might do well to check out this month's offering in the Old Timer's Bulletin by Bill Fizette, K3ZJW, on that same topic. Happy restoring! 73....Ray Mote, W6RIC <rmote@rain.org>

From boatanchors@theporch.com Fri Nov 10 17:46:00 1995
From: bartter@positron.med.ge.com (Brian Bartter)
Subject: atwater kent radio
Message-ID: <9511100144.AA05149@ontario.positron.med.ge.com>

i have an atwater kent radio, model 40. it has a power supply encased in "black tar". I have heard of "depotting compound" but i don't know where to find it or if it will work on this power supply. have any of you repaired a supply like this? is it easier to build an equivalent circuit? i just signed up on the BA list. Hello out there to the Ham radio folks I used to work with at Guilford Instruments in Oberlin, Oh and at the now closed Technicare Corp. in Solon Oh. Jack Thomas, Scott Staedtler (spelling sorry) are you out there?
thanks, brian j. bartter bartter@positron.med.ge.com

From boatanchors@theporch.com Fri Nov 10 17:46:00 1995
From: Don Reaves <dr@cei.net>
Subject: Bouyoucos Bridge
Message-ID: <Pine.3.89.9511092323.A6070-0100000@kc5jh.reaves.net>

At the local state surplus office (they call it Marketing and Redistribution) :-) is a Bouyoucos Bridge, built by Davenport Labs. In a wooden box, it has a large calibrated dial, capacitance controls, and terminal posts marked TX and RX. I can find no reference to this device in any of my literature. It appears to be 40's or 50's vintage. Its obviously some kind of bridge, but I can't fathom it's purpose. Anyone know what this is?

Incidentally, I've found all sorts of interesting stuff at M&R over the years, buried in the piles of tired typewriters and cast off desks. Tek scopes, HP test gear, lab type power supplies, etc. I once heard of a few Collins KWM2's appearing, but they didn't last long and I missed out. In my state, surplused equipment from universities,

state labs and agencies, and vo-tech schools eventually finds its way to M&R, where it is sold to the public one day a week. If something sits there long enough they will mark the price down to reasonable levels. Frequently there will be spot bids for pallets of similar equipment. On the other hand, there is a *lot* of junk to sift through.

Don Reaves KC5JH
Little Rock, AR

dr@cei.net
501 221 7220 (w)

From boatanchors@theporch.com Fri Nov 10 17:46:00 1995
From: lewise@bga.com
Subject: Collins 180L-3 ant tuner
Message-ID: <9511101526.AA0050@localhost>

I acquired one of these at a swap meet recently and would like to put it to work in the shack.

This is the tuner with the big tape variable inductance, small roller inductance, vacuum cap and vacuum ant relay... Was used in aircraft to automatically tune the fixed or trailing wire antenna... Saw them in C-119s with the ARC-38 transceiver. They have three tubes, three positioning motors, and lots of gears, relays and limit switches...and a nice little Weston meter on the front panel calibrated in SWR (1-10). Of course there must be some interesting mismatch sensing circuits in there also...I haven't seen any documentation, just visually inspected the unit with the cover and front panel off.

I'm torn between:

- 1 - trying to set up the correct power and control circuits for automatic operation (It sure is nice to just hit the mike button and have the tuner find the match by itself) or
- 2 - Tearing out all the electronics, motors and stuff and making manual connections to have just a nice manual tuner.

Since I'm basically lazy I tend toward the latter, but the thought of drilling a hole right through the Collins name on the front panel sort of makes my teeth grate....

Has anyone put one of these to work in the shack in either the manual or auto mode??? What mods did you make and how did you approach this job??

- - - -

Larry E. Wise KA5T
206 Sinuso Drive
Georgetown, Texas 78628-1520

lewise@bga.com
512-863-5870

From boatanchors@theporch.com Fri Nov 10 17:46:00 1995
From: Bill Sorsby <bill.sorsby@dlep1.itg.ti.com>
Subject: Control Shaft Extension Repair
Message-ID: <199511091956.NAA22400@dlep1.itg.ti.com>

Greetings,

Thought I'd pass along a good way to repair irreplaceable control shafts which have been mangled or broken off. After several unsuccessful attempts to repair the BFO Pitch knob on an old SX-101A, I stumbled across a method which works well.

A short section of finishing nail can be used as a pin to connect the two shafts. I used a finishing nail with circular ridges around the nail and drilled holes into both shaft sections slightly smaller than the largest diameter of the nail. The nail was then swedged into place connecting the original shaft and the extension shaft. It works well and is extremely stout. A drill press would have been nice, but a respectable job was done using just a vise and hand held drill.

Obviously it would have been nice to be able to replace the entire BFO tuning assembly but faced with no prospects for a replacement shaft from a parts rig and constrained by the fact that no increase in shaft diameter was allowed without modification to the SX-101A chassis..., etc.

Hope this helps someone out. BTW, I'm still looking for the BFO pitch control knob for my SX-101A. I'll even settle for one of the regular skirted knobs for the other controls that is numbered 0 to 10 rather than -5 to 0 to 5. This knob is black and has a small polished insert. Let me know if anyone's got one.

Regards,
Bill Sorsby, N5BU

bill.sorsby@dlep1.itg.ti.com

From boatanchors@theporch.com Fri Nov 10 17:46:00 1995
From: QUACK <MUSCORJ@hswdl.utc.com>
Subject: Fair Radio
Message-ID: <01HXXH08ZP5KI007CF6@utrcgw.utc.com>

Good Morning.

Could someone please supply me with their phone numbers.
I'd like to purchase a spare audio deck for my R-390A.

Can you tell them its just for a 390A or do you need to have more info
from the receiver to purchase one?

Thanks in advance

Ron Musco
National Radio Club

From boatanchors@theporch.com Fri Nov 10 17:46:00 1995
From: KB9VU@aol.com
Subject: FS: Drake Filters
Message-ID: <951110000050_18131142@emout05.mail.aol.com>

A local Ham who is no longer active has a couple of "C" line filters he would
like to sell. They are the 500 Hz and 250 Hz 2nd IF plug in's. If anyone
needs these, drop me an E-Mail and I'll follow up.

I think \$50 each plus postage will buy them. They are reported to be
"working" units. I can test if necessary.

Mike, KB9VU

From boatanchors@theporch.com Fri Nov 10 17:46:00 1995
From: MODSTEPH@ACS.EKU.EDU
Subject: Re: Hali (sic) S-40
Message-ID: <01HXG6NUEV9U000PHW@ACS.EKU.EDU>

S-40 (A) receiver - ca 1946, original new price \$89.50
S-40 U receiver - universal ps for 110,130,150,220,250 V - (new) \$98.50
S-40 B receiver - ca 1950, new \$129.95 - probably most common of S-40's

and price depends on how badly you want it, how much the seller wants
to get rid of it... have seen them from \$15 to \$100 in varying
condition.

I owned an S-40B which was in fair physical condition and decent
working condition (when I got through with it). Bought it for \$20,
repaired it and cleaned it up, sold it for \$40 - and would not have
asked any more for it.

With all of these, "it depends..."

73, A1 N5AIT

From boatanchors@theporch.com Fri Nov 10 17:46:00 1995
From: knaack@mail.wsu.edu (Charles Knaack)
Subject: Hali S-40
Message-ID: <v01510100acc80e7e9b08@[134.121.47.16]>

Greetings Anchorites,

There is an estate auction Sunday that has a Halicrafters S-40 listed. I'm not familiar with this radio and wondered if somebody could briefly describe it for me. Coverage, tube lineup, approximate vintage, and what this radio might go for at hamfests would be a great help. I live in a rather sparsely populated area of SE Washington state, so I don't get a chance to go to hamfests without driving 5 1/2 hours to the coast.

Thanks for your help,
Charles

Charles Knaack
GeoAnalytical Laboratory
Geology Department, Physical Sciences 1228
Washington State Univ.
Pullman, WA 99165-2812
(509)335-1626, FAX (509)335-7816
knaack@wsu.edu, geolab@mail.wsu.edu
Visit our world wide web page at <http://www.geol.wsu.edu/>

From boatanchors@theporch.com Fri Nov 10 17:46:00 1995
From: Henry van Cleef <vancleef@bga.com>
Subject: Re: Hali S-40
Message-ID: <199511100552.XAA24988@zoom.bga.com>

As Charles Knaack said

>

> Greetings Anchorites,

> There is an estate auction Sunday that has a Halicrafters S-40
> listed. I'm not familiar with this radio and wondered if somebody could
> briefly describe it for me. Coverage, tube lineup, approximate vintage, and
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> a rather sparsely populated area of SE Washington state, so I don't get a

> chance to go to hamfests without driving 5 1/2 hours to the coast.
>

The Hallicrafters (note two L's in spelling) S-40 was built 1946-47. The set is essentially an updated S-20R, a very conventional design using an RF preamp, a 6SA7 oscillator-converter, two IF's, a conventional 6SQ7 detector/AVC/1st audio. As I recall, the RF pentodes were 6SG7's, and the original used a 6F6 pentode for output and an 80 rectifier. The S-40A and S-40B were made into the early fifties and are the same radio with minor tube changes---things like 6V6 output tube and 5Y3 rectifier. The "correct" knobs and minor panel sheet metal details like the speaker grille and bandspread dial bezel vary between models, and at some point, Hallicrafters eliminated the nice turned aluminum bandswitch knob and replaced it with a plain one.

In terms of looks, the radio is a sharp looker, and shows the hand of a serious industrial designer (Raymond Loewy) in "prettying up" the S-20R sheet metal. A look at the schematic and it looks like a reasonably serious radio. Unfortunately, the thing is a real NATO job (no action, talk only). It used to be a standing joke that "QST (or CQ) is publishing another article on how to make a real radio out of an S-40." Essential problems boil down to a cheap tuning capacitor and coil set with 3:1 coverage on each of the four bands, use of a self-excited 6SA7, All-American Five IF transformers, flimsy sheet metal, and AA5 grocer's string tuning mechanics. The radio originally sold for \$89.95. The RME-84 was its price competitor, and is a vastly superior radio, largely through use of a 7S7 oscillator-converter (which would really work above 20 Mhz), much better coils, and a more robust mechanical design. National also build some sets in that price class.

Value? You can read ER and see almost any price you want on an S-40. If you really want one of these, a rebuildable "core" is worth \$10-\$25, and a clean "tweaked up" set maybe \$50-\$75. Pay attention to the condition of the panel. The legends are silk-screened. Also, the dials were originally green celluloid staked onto hubs. Both rather painful to duplicate. Unless you know differently, you can assume that you are looking at a radio that needs a 100% recap and reresistor job to bring it back to "like new."

On modifications, as I mentioned, there was a steady business in modifications. One thing to remember about Hallicrafters is that Bill Halligan hired engineers with very sharp pencils, and trying to second guess Hallicrafters designs is like trying to write better music than J.S. Bach. The execution of the design may sound like Bach played on a kazoo. If you don't like what it sounds like, you are going to have to make hardware changes, and there are some very real limits to improvements you can make on a kazoo. Stick with the original schematic and parts lists. The S-40 design is already so tight there isn't even

room for parasitic suppressors---it's already got them.

Keep in mind that you can get a real radio like a Hammarlund HQ-129X in good shape for not much over \$100.

--

Hank van Cleef vancleef@bga.com vancleef@tmn.com

From boatanchors@theporch.com Fri Nov 10 17:46:00 1995
From: fgilmore@woodtech.com
Subject: Re: Hallicrafters HT-18
Message-ID: <199511092003.AA29233@relay.interserv.com>

The HT-18 was a general purpose VFO which first made's appearance in this notorious HT-19 transmitter. If you look at a picture of the rig it looks like they just dropped it in a hole in the panel. The '19 was a TVI machine. I had two and both cleaned out everything when I got on ten or fifteen. Used FM by the way. 4-65A final.

The HT-18 was the match for the beautiful HT-20. I used that pair for a long time and wish I had never let them go. The only reason I did was the short life span of 4D32s in the transmitter for some reason. Other HT-20 owners experienced similar problems but most werent working contests and chasing DX like I was. I FSKed the HT-18 and used it on RTTY for a couple of years with the HT-20 and with a Viking II....and something else that I cant remember.

I did work across town several times on a local DX net on 10 meters with the '18. It was pretty stable and I added a filament transformer to keep the tubes warm all the time (SOP at my shop/shack for RTTY use) and was very pleased with it. Had to have an S-53A to sit on top of it just to make them look nice.

And that is about all I can add....in short it was a fine unit. It was replaced, in my shack, with a Millen Vari-arm VFO which was the absolute top of the line at that time for RTTY use. Another item I wish I had never let go.

73,

Frank
K0JPJ ex-W5PVX ...--

From boatanchors@theporch.com Fri Nov 10 17:46:00 1995
From: David Stinson <72227.1640@compuserve.com>

Subject: HALLICRAFTERS SX-101A SPEAKER

Message-ID: <951110163039_72227.1640_EHM77-2@CompuServe.COM>

Well, since I caught the incurable Civilian Rig disease, things have been a little tense around here.

My BC-375 won't talk to me.

She keeps saying I should go see my "maroon floozie."

And my BC-348 says that the SX-101A's case is "probably a bleach-grey."

I keep telling them that my military BA's are my first true love, and that this is just a one-time fling.

You know how well that went over....

Despite all that, I'm looking for info on the matching speaker for the Hallicrafters SX-101A. What is it and who gets one?

After all, if you're going to have a mistress... do it in style.

God knows it cost enough...

73 DE Dave Stinson AB5S/7

From boatanchors@theporch.com Fri Nov 10 17:46:00 1995

From: lewise@bga.com

Subject: Heath AT-1 Manual needed...

Message-ID: <9511101646.AA0053@localhost>

I'm trying to reconstruct a basket case here and not sure I even have all the parts. Would like to get a complete manual if possible. If not that then copies of the schemo, parts list and pictorials (I assume that this was a kit??)

Someone in their youth was going to make a silk purse out of a sow's ear and didn't get much passed the 'rip all the old stuff out' stage. (Ahem... don't ask who...)

All this talk about boatanchors and stuff has got me rummaging around in the junkbox and trying to resurrect some of the old residents....

Any help appreciated.....

- - - -

Larry E. Wise KA5T lewise@bga.com
206 Sinuso Drive 512-863-5870
Georgetown, Texas 78628-1520

From boatanchors@theporch.com Fri Nov 10 17:46:00 1995
From: steve@hi.com (Steve Byan)
Subject: HP 606A lubrication - how to?
Message-ID: <v02130504acc7f9bcd6e6@[140.243.30.128]>

So far the only problem with the HP 606A I've been working on has been over-lubrication of the tuning mechanism. I took off the front panel, cleaned off all the gunk, and re-lubricated it. It's pretty obvious how to lube most of the cams and bearings (most have oil holes) except for bearing on the main tuning shaft. The manual is silent on this point.

I guessed and used a needle-point oiler to put a drop of oil on the shaft, just behind the main gear/dial-scale where the shaft enters the bearing in the RF subchassis casting. This doesn't feel right, though - I think it's an oilite bearing and should have an oil port somewhere; I just can't seem to find it. Anyone know what the factory says on lubricating this bearing?

Thanks,
-Steve

Steve Byan internet: steve@hi.com
Hitachi Computer Products (America), Inc.
1601 Trapelo Road phone: (617) 890-0444
Waltham, MA 02154 FAX: (617) 890-4998

From boatanchors@theporch.com Fri Nov 10 17:46:00 1995
From: HAMRLUND@aol.com
Subject: Re: Johnson cabinet repainting - where?
Message-ID: <951109144529_102325120@mail02.mail.aol.com>

In a message dated 95-11-09 13:17:07 EST, pbock@melpar.esys.com (Paul H. Bock) writes:

>a) Of anyone who repaints Johnson cabinets the proper color?
>

kim has the paint.
contact him at: KE8NEfix@aol.com

robert

From boatanchors@theporch.com Fri Nov 10 17:46:00 1995
From: Jim Clark <jclark@asu.edu>
Subject: National NC-140 parts
Message-ID: <199511091955.MAA02149@x1.asu.edu>

I'm trying to restore an NC-140, and need to locate someone who is parting out a junker. I need the Band Spread knob, which is identical to the Tuning knob. It's 2-1/16" dia, blue with flutes, no skirt, 1" blue dot in center surrounded by silver trim ring. I also need the parts that link the main tuning knob to the tuning cap. This assembly consists of a large disc that mounts on the tuning cap shaft, and two pinch-roller discs that mount on the tuning knob shaft. Sure hope somebody can help me out with this....
Thanks.

Jim Clark
e-mail: jclark@asu.edu

From boatanchors@theporch.com Fri Nov 10 17:46:00 1995
From: Terry Burge <terrybu@netman.ENS.TEK.COM>
Subject: need manual for GR-64
Message-ID: <9511092008.AA25977@netman.ENS.TEK.COM>

I picked up a Heathkit GR-64 the other day and would like to get a copy of the manual for it. Anyone got one?

Terry
KI7M

From boatanchors@theporch.com Fri Nov 10 17:46:00 1995
From: Rick Robinson <rrobin@uncc.edu>
Subject: old parts for sale (Hammarlund, Miller, National Radio)
Message-ID: <199511101556.KAA15107@mail.uncc.edu>

This is a multi-part message in MIME format.

-----225332392815218

Content-Transfer-Encoding: 7bit

Content-Type: text/plain; charset=us-ascii

I'm relaying this post from rec.radio.swap

Don't reply to me

Tim Vogle <tim.vogle@oit.gatech.edu> wrote:

>I have these old parts for sale. Most are new in box

>

>Variable cap large by national radio products in original box \$40 (part
>number 3mc1000)

>variable cap large by cardwell condenser in box with paper drilling temp.
>\$40

>

>section variable cab by mallory (part number 8301) inductuner in box
>corner of box chewed up by cap is ok asking \$30

>

>qty 2 Hammarlund transmitting condensers in box model MTC-20-b Asking \$20
>each

>

>qty 2 Hammarlund transmitting condensers in box model MTCD-20-b asking
>\$20 each

>

>Hammarlund midget condenser model mc-d-35-mx in box (box rough) Asking \$15

>

> qty 2 Miller el-56 coupling coil in box \$10 each

>

>Hammarlund mc-35-sc tuning cap in box \$10

>

>Triad A-56j output transformer in box \$10

>

>Triad a-67j line to line transformer in box \$10

>

>Large tuning cap unknown manuf. probably 20 to 100 pf \$20

>

>Cardwell model 25-b8 tuning cap in box \$15

>

>Miller model 242-bp bandpass coil in box \$10

>

>manufacturer unknown tuning cap two stage medium size \$15

>

> qty 4 Hammarlund HF-50 tuning cap in box \$10 each

>

>hammarlund apc 50 tuning cap in box \$10

>

>qty 4 Hammarlund mc-20-s(X) tuning caps in box \$15 each
>
>qty 2 Hammarlund mc20 -mx tuning caps in box \$15 each
>
>Hammarlund mc-50-s tuning cap in box \$15
>
>Hammarlund mc-50-sx tuining cap in box \$15
>
>Qty 2 Hammarlund mc-35-sx tuning caps in box \$15 each
>
>Hammarlund mc-100-sx in box \$40
>
>male/female amphenol connectors for rg-357u cable asking \$10 for the 2
>
>reply by email
>
>you pay the shipping
>
>If you think my price is to high make me an offer.
>
>Tim Vogle

Thought this might be of interest to BAites.

Rick Robinson kf4ar
rerobins@uncc.edu

-----225332392815218
Content-Transfer-Encoding: 7bit
Content-Type:
-----225332392815218--

From boatanchors@theporch.com Fri Nov 10 17:46:00 1995
From: Rick Robinson <rerobins@uncc.edu>
Subject: old parts for sale (Hammarlund, Miller, National Radio)
Message-ID: <199511101558.KAA15304@mail.uncc.edu>

Tim Vogle <tim.vogle@oit.gatech.edu> wrote:
>I have these old parts for sale. Most are new in box
>
This was posted to rec.radio.swap

Don't reply to me, reply to originator

>Variable cap large by national radio products in original box \$40 (part
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>reply by email
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>If you think my price is to high make me an offer.
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>Tim Vogle

Hope it helps a fellow BAite.

Rick Robinson kf4ar
rerobins@uncc.edu

From boatanchors@theporch.com Fri Nov 10 17:46:00 1995
From: lewise@bga.com
Subject: Scope Info needed...
Message-ID: <9511101630.AA0052@localhost>

I have a couple of boatanchors that I wonder if anyone has
any knowledge of or information on.

The first unit is a small military scope with the following tag
info:

AN/USM-32
115 V 1 Z 50 to 400 Q
N0bsr-52688 1399 :CDU

The Z is really the slashed zero 'phase' character.
The Q is really the 'cycle' "lazy S" sign.
The 1399 is a stamped serial number.

What are the general specs of this unit? Anyone know? It's
a tube unit, and I fired it up and got a wavy sweep and lots
of heat, more than I thought I should have, but who knows
how old it is and what's leaking. Looks like a 2 or 3 inch
scope tube size. Wonder if it's worth getting it going for
a general purpose bench scope or TTY tuning scope ??

The second unit looks like an industrial unit, build like a battleship, obviously for service/repair use. The tag info is:

Telegraph Distortion

Analyzer

Model TDA-2 Serial 3197
Stelma Inc. Stamford, Conn.

It has repair and calibration tags dated 16 and 18 Feb 70
by FEL - Frequency Engineering Laboratories, Electronic
Services Div.

This one when turned on behaved well with no excess heat and a stable sweep. Looks in good condition. Tube size looks like 2 or 3 inches. Front panel knob marked 'Speed' has three positions: 60 75 100. Scope face has a horizontal scale marked distortion with 0 to 50 scale. The letters M and S are on the left side of the tube, M above the S as though maybe a 'flipping line' display might be used. No other marks on the tube face. Lots of other switches on the front panel and a couple on the rear. Has rubber feet on the bottom side AND on the 'back' side. Anyone have a manual???

Any info you could supply about these scopes would be appreciated.

- - - -

Larry E. Wise KA5T lewise@bga.com
206 Sinuso Drive 512-863-5870
Georgetown, Texas 78628-1520

From boatanchors@theporch.com Fri Nov 10 17:46:00 1995
From: Michael.J.Knudsen@att.com
Subject: Re: scopes where?
Message-ID: <9511081830.AA01165@bock.ih.att.com>

I've read almost all the scope postings, and still wonder why Tek's 530-545 models are called the "letter series."
Is it cuz the plug-ins were identified only by letters?
Thanks, mike k w9nrd

From boatanchors@theporch.com Fri Nov 10 17:46:00 1995
From: John Shriver <jas@shiva.com>
Subject: Re: scopes where?

Message-ID: <199511101456.JAA07075@shiva-dev.shiva.com>

Yes, the 531-549 are commonly known as the letter scopes because they take the A-Z letter plugins. They also take the 1-series plugins, but most of those are 50 MHz plugins which only offer their full benefit on the 544 & 546-549. However, as Stan has noted, the CA has pretty marginal frequency response (only 24 MHz, and the rolloff is really sloppy), so that the 1A1 and (cheaper, lower gain) 1A2 make good sense in the 541-545B. The 1A4 is also the only wide-bandwidth 4-trace, the predecessor M is only 20 MHz. (The rest of the 1-series is rare and specialized.)

No question that the "letter" series scopes, and their plugins, are by far the most common Tek scopes I see at ham fleas.

From boatanchors@theporch.com Fri Nov 10 17:46:00 1995
From: Henry van Cleef <vancleef@bga.com>
Subject: Re: scopes where?
Message-ID: <199511101738.LAA06087@zoom.bga.com>

As Michael.J.Knudsen@att.com said

>

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> Tek's 530-545 models are called the "letter series."

> Is it cuz the plug-ins were identified only by letters?

> Thanks, mike k w9nrd

>

I'm the one who is using "letter series" as a shorthand to identify the scopes. Yes, I mean the scopes that use the letter plug-ins. Tek built scopes in this group for 21 years (1953-74), and I would guess that they built around 250,000 of them, with 545, 547, and 535 models (including the "A" and "545B") making up something like 2/3rds of them. It takes about a page of text to list all of them with a one or two line description to distinguish each model from the others. It's easier to single out the odd balls. These are:

532. A low-price "plain jane" with no delay line, about 5 Mhz bandpass, a low voltage CRT (3Kv as I recall). The market for these was schools, home entertainment production line. This model was discontinued fairly early (1961?) as Tek introduced a number of models that gave equal or better price-performance in smaller packages.

536. An X-Y scope that used a plug-in in both vertical and horizontal sides. No delay line, and designed for precision work with Lissajous figures. A "T" plug-in was available to provide a time base for general-purpose work.

549. Used a storage CRT, i.e., the trace, once written, will stay

illuminated on the CRT until erased by operation of a front panel control.

The 551 and 555 dual-beam scopes also used letter-series plug-ins. The 551 uses a single set of deflection plates for both beams. The 555 uses separate deflection plates for the two beams.

Construction of most of these scopes was modular. The basic sheet metal for a power supply chassis was the same for 531A, 533A, 535A, 541A, 543A, 545A, for example. However, there are component differences on the chassis, so the parts aren't interchangeable without rework. I mention this because most of these scopes look almost the same. Tek used a modular layout for manufacturing economy. However, the various subchassis are not generally interchangeable between models. The 580 series scopes were also built on this same basic sheet metal, and the letter series plug-ins are the same size and configuration as the 80, 82, and 86, except that the Amphenol Blue Ribbon connector at the back is upside-down on the 580 series. The electrical interface to the connector is entirely different. You must use an 81 or 81A adapter to use a letter series plug-in with a 580-series scope.

I'll put in another plug for Stan Griffiths' "Oscilloscopes: Selecting and Restoring a Classic." It has 200 pages of descriptions of scopes and plug-ins. My copy is already a bit dog-eared. Follow Stan's recommendations, and you won't go wrong.

--

Hank van Cleef vancleef@bga.com vancleef@tmn.com

From boatanchors@theporch.com Fri Nov 10 17:46:00 1995
From: Nick England <nick@cs.unc.edu>
Subject: Sources for sockets, tools?
Message-ID: <199511101459.JAA09150@altair.cs.unc.edu>

I just try to stock up on octal sockets when I see a good deal at a hamfest.

On tools, I suggest you try your local electrical supply house. They probably carry Greenlee punches and hole saws, and big Unibits, etc. (also good Scotch electrical tape and ScotchKote for antenna projects).

73,
Nick KD4CPL
nick@cs.unc.edu

From boatanchors@theporch.com Fri Nov 10 17:46:00 1995
From: steve@hi.com (Steve Byan)
Subject: Re: Sources for sockets, tools?
Message-ID: <v02130509acc913e5246a@[140.243.30.128]>

Fair Radio has octal sockets. New phenolic octal wafer sockets are 30 cents, used Bakelite sockets are 40 cents.

Fair Radio
(419) 223-2196 or
(419) 227-6573

Regards,
-Steve

Steve Byan Hitachi Computer Products (America), Inc. 1601 Trapelo Road Waltham, MA 02154	internet: steve@hi.com phone: (617) 890-0444 FAX: (617) 890-4998
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From boatanchors@theporch.com Fri Nov 10 17:46:00 1995
From: dsnowden@ccd.harris.com (Doug Snowden)
Subject: Still Looking For JW Miller Coils
Message-ID: <9511092012.AA317704@rs2.ccd.harris.com>

I while back I posted a request for a source of JW Miller coils.
I am looking for the older ones, slug tuned inductors. I was directed to JW Miller, and got their catalog, but it has nothing like these in it. Guess they don't make them.... Any ideas?

Doug N4IJ dsnowden@ccd,harris,com

From boatanchors@theporch.com Fri Nov 10 17:46:00 1995
From: HAMRLUND@aol.com
Subject: Re: Still Looking For JW Miller Coils
Message-ID: <951109172721_102463788@mail04.mail.aol.com>

In a message dated 95-11-09 17:06:37 EST, dsnowden@ccd.harris.com (Doug Snowden) writes:

> Guess they don't make them.... Any ideas?

>

>

Try Dan at Purchase Radio in Ann Arbor Mich.
he had some JW Miller stuff on the shelf.
Ph. 313-668-8696

robert

From boatanchors@theporch.com Fri Nov 10 17:46:00 1995
From: Michael.J.Knudsen@att.com
Subject: Re: Survey Results, RX Antennas
Message-ID: <9511081909.AA01205@bock.ih.att.com>

As one of the satisfied users of the A-D Sloper,
I may have forgotten to mention that for xmit I run it
thru a Vectronics 300-watt C-L-C network tuner with built-in SWR
two-needle meter. This is much like the usual MFJ unit,
and is the same thing Tucker sells with its name stuck on.

So far it appears that such a tuner can get the SWR down to
1.1 or less, but it cannot help me load up any more power than without it.
That is, the KWM-2 will load up the Sloper to maybe 1/4 of full power
on 75m, and the tuner can take out the SWR but will not let me
load any more power.

Yes you ahve to retune for a wide QSY, but if you're willing
to let the SWR go up to 2:1, you can cover the whole 100 KCs
of one Collins xtal band. Oops, that's 200 KCs.
73, mike k w9nrd

From boatanchors@theporch.com Fri Nov 10 17:46:00 1995
From: "Gary H. Harmon, Jr." <gharmon@legend.txdirect.net>
Subject: W: S-40B Tuning Knob
Message-ID: <9511101241.AA15055@legend>

I need a black tuning knob for my S-40B. If you can help, please let me
know. Thnaks and 73, GARY

=====
Gary H. Harmon, Jr., K5JWK gharmon@txdirect.net
6302 Robin Forest K5JWK@K3WGF.STX.USA.NOAM
San Antonio, TX 78239

From boatanchors@theporch.com Fri Nov 10 17:46:00 1995
From: Andy Wallace <wallace@mc.com>
Subject: Re: WTB vernier PSB tuning kit for HQ180
Message-ID: <9511092106.AA03711@walnut>

It sounded like John was talking about a variable PASSBAND
TUNING CONTROL, not the vernier tuning control....but I
may be wrong....I'm certainly backed up in BA mail!

--Andy
wallace@mc.com